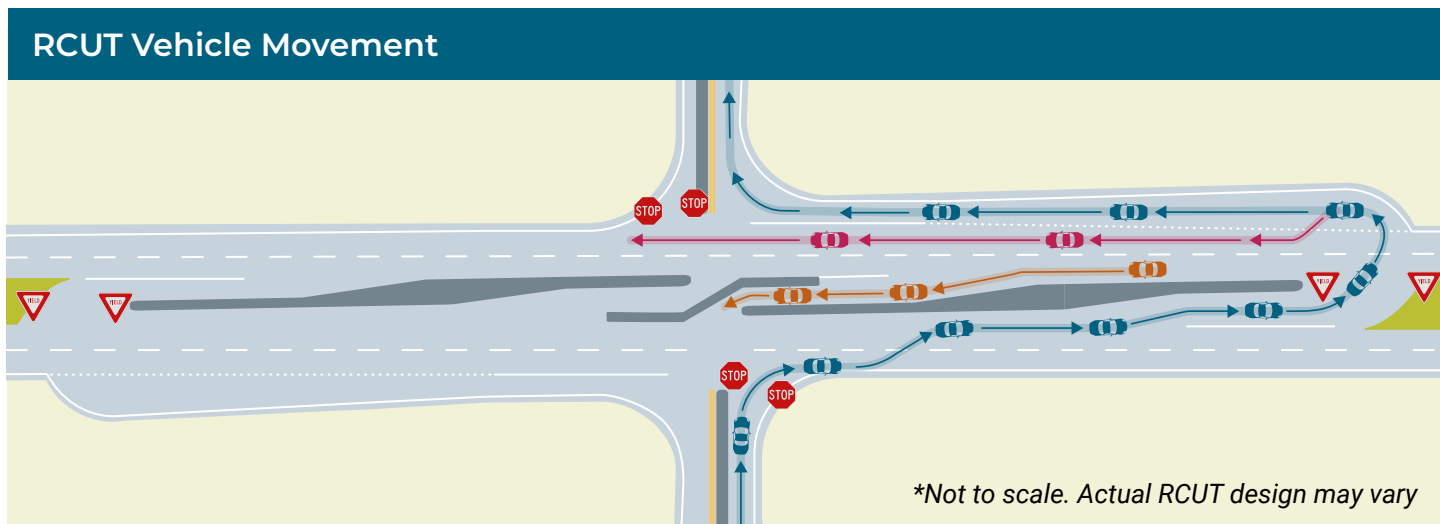


RCUT Intersections

Restricted Crossing U-Turn (RCUT) intersections have been shown to decrease crashes at intersections along four-lane divided highways. An RCUT intersection changes the typical way that drivers cross and turn onto the highway from side roads.



HOW DOES AN RCUT WORK?

- Prohibits drivers from both directly crossing the four-lane highway and making left turns onto it.
- Directs drivers to turn right onto the highway and make a U-turn at the designated median opening.
- Avoids crossing multiple lanes of traffic.

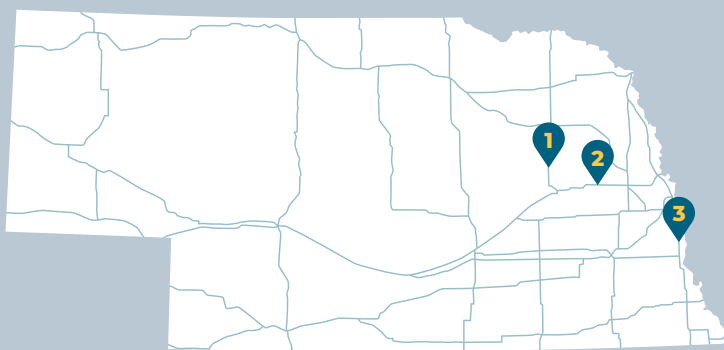
WHY DOES AN RCUT WORK?

- Simplifies crossings as drivers only need to look in one direction of traffic at a time.
- Reduces delays during peak times as drivers don't need to find a gap in both directions.

NEBRASKA RCUTs

NDOT has constructed three RCUTs on highways within the state, with several others being considered.

1. U.S. Highway 81 (US-81) and Nebraska Highway 91 (N-91) near Humphrey
2. U.S. Highway 30 (US-30) and Nebraska Highway 79 (N-79) near North Bend
3. U.S. Highway 34 (US-34)/U.S. Highway 75 (US-75) and Nebraska Highway 1 (N-1) near Murray



NEBRASKA

Good Life. Great Journey.

DEPARTMENT OF TRANSPORTATION

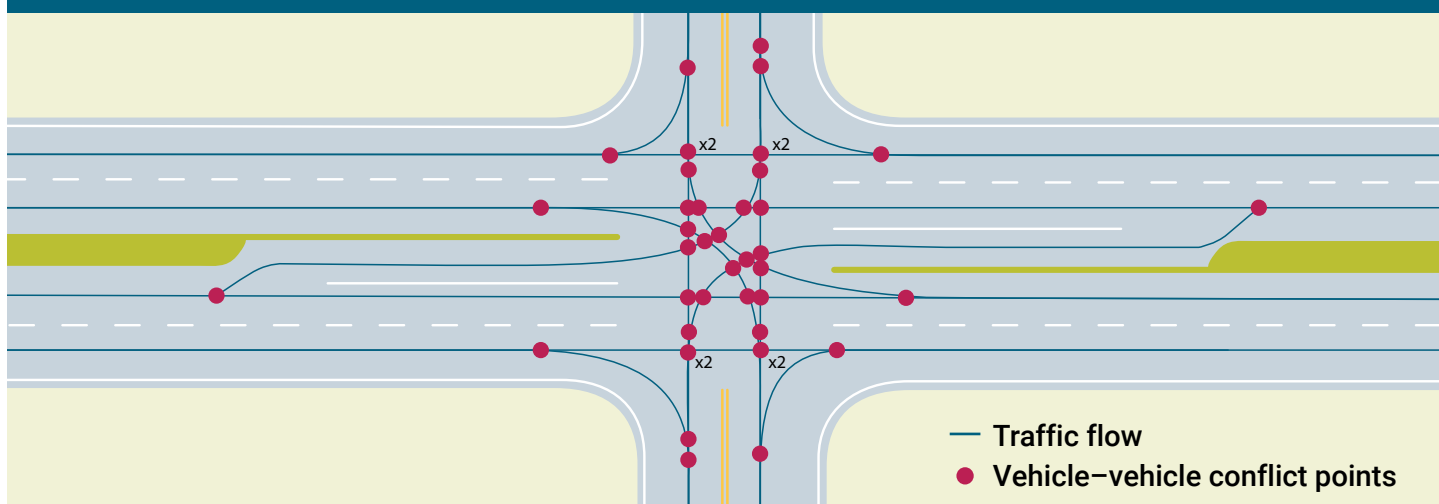
WHAT ARE THE BENEFITS?

- Lower risk of right-angle crashes by lowering number of conflict points.
- Quicker, easier and safer for side-road drivers to turn left or cross the highway.
- Less delay compared to using a traffic signal or crossing all four lanes during peak times.

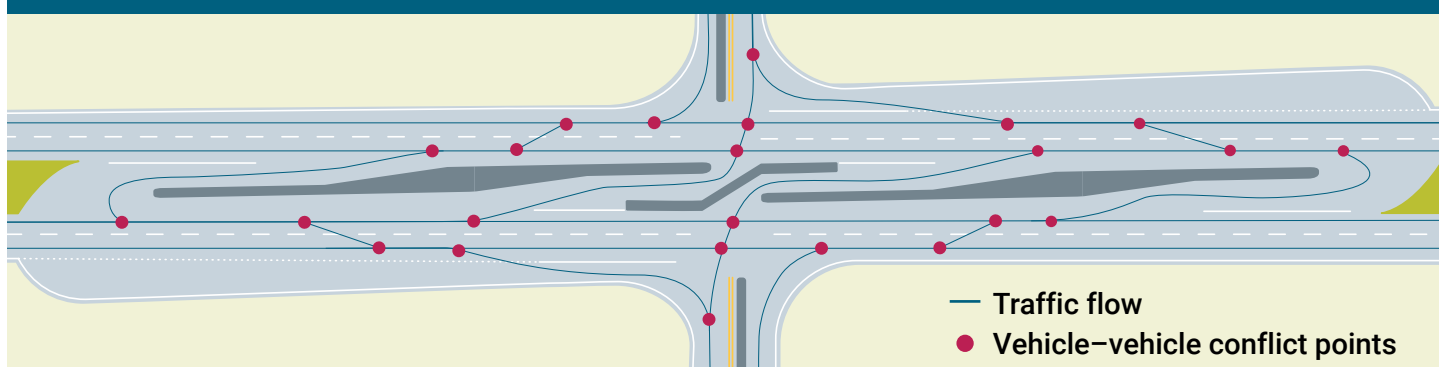
WHAT ARE CONFLICT POINTS ?

RCUT intersections **reduce the number of places where vehicles can collide—known as conflict points—by over 40%** compared to traditional intersections. These conflict points are areas where traffic paths cross, merge or diverge, increasing the likelihood of crashes. By lowering the number of conflict points, RCUT intersections not only reduce crash potential, but they also tend to result in less severe crashes compared to traditional intersections on divided highways.

Traditional Design Conflict Points – 42 total



RCUT Design Conflict Points – 24 total



To watch an RCUT in action or learn more, please visit www.ndot.info/RCUT or scan the QR code.